

AVEVA

U.S. Federal solutions

Trusted. Proven. Off-the-shelf.

Federal departments and agencies, campuses, utilities and labs use AVEVA software to manage operations, optimize maintenance and get to net zero.



Unified data infrastructure

AVEVA software collects, analyzes, displays and stores real-time data.

- **Vendor-agnostic:**
Collect data from any source, format or protocol — on-premises control systems, IoT sensors, mobile assets — and consolidate OT and IT data into a single source of truth.
- **Commercial off-the-shelf (COTS) software:**
No need for your own in-house programmers.
- **Proven federal track record:**
More than 100 sites across 15 federal agencies use AVEVA software to reduce energy consumption, increase equipment availability with predictive maintenance and improve their situational awareness and decision support.

Representative federal applications

- **Energy management**
 - Real-time analysis
 - Reporting
 - Prediction
 - Optimization
- **Situational awareness and decision support**
 - Military installations
 - Data centers
 - Utilities
 - Smart grids and microgrids
 - Power generation stations
- **Proactive maintenance**
 - Condition-based monitoring
 - Reliability-centered maintenance
 - Predictive analytics
- **Regulatory compliance**

Federal organizations trust AVEVA

- Certain select Intelligence Community (IC) agencies
- U.S. DOE National Labs
- U.S. DOE Power Administrations
- U.S. NRC (Nuclear Regulatory Commission)
- DHS
- U.S. Army
 - Material Command
 - Corps of Engineers
 - Chemical Materials Activity
 - Regional Transmission Organizations (RTO)
- U.S. Navy Smart Grid Program
- NASA
 - Johnson Space Center
 - Langley Research Center
 - Wallops Flight Facility
 - Glenn Research Center
- National Institute of Standards & Technology (NIST)
- NIH
- 100% of the Federal Energy Regulatory Commission's Independent System Operators (ISO)

NASA Langley reduces energy and saves on maintenance at 130+ facilities

NASA's Langley Research Center uses AVEVA™ PI System™ to run a 24/7/365 integrated operations center that manages:

- A 788-acre campus
- Over 30 major research facilities
- 150 support facilities and other assets
- Several hypersonic wind tunnels
- 400 electrical meters

“ The beauty of this system is that you don't have to have an IT background. I'm not an engineer. I'm just a guy looking to find some data and solve some problems. ”

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Todd Herbert
Energy Management Analyst
Straughan Environmental Inc.,
NASA Langley Research Center

NASA uses the software to conduct real-time condition-based monitoring and reliability-centered maintenance, which has

- Saved \$5.3M over three years
- Prevented catastrophic failures
- Increased equipment life
- Optimized maintenance intervals
- Increased worker safety
- Decreased operations disruptions

The U.S. Navy uses AVEVA software for Smart Grid Program analytics

In December 2017, the Navy received an Authority to Operate (ATO) under the Risk Management Framework (RMF) guidelines for its smart grid architecture. The NAVFAC Smart Grid Program is a centralized, cyber-secure monitoring and control system that analyzes energy consumption to optimize energy efficiency at Navy installations.

Digital twins alert technicians to outages and anomalies instantaneously and map out just which buildings and meters are involved.

GSA IT Schedule 70: GS-35F-0265X
NASA SEWP IV: NNG07DA20B

GSA Schedule 70: GS-35F-0119Y | GSA IT Schedule 70: GS-35F-0265X | NASA SEWP IV: NNG07DA20B | City of Seattle: 0000003265 | CMAS: CMAS 3-12-70-2247E | VASCUPP: UVA1482501 | SEWP V Group A Small: NNG15SC03B | Group D Other Than Small: NNG15SC27B

Presidents' E-Star Award - 2012

Operators use the Smart Grid Program's analytic capabilities to conduct predictive maintenance, manage costs, and get advanced warning of energy failures that may impact maritime readiness.

AVEVA PI System is the central data aggregation and analytics core of the accredited architecture. Details of that architecture and the controls framework can be found in the DoD eMASS system (#10618).

Learn how AVEVA software can help you reduce energy consumption, optimize maintenance, boost situational awareness and give you better decision support.

Contact us